

Table ES-7: Comparison of 100 Year GWPs

Gas	SAR	TAR	Change	
Carbon dioxide (CO ₂)	1	1	NC	NC
Methane (CH ₄)*	21	23	2	10%
Nitrous oxide (N ₂ O)	310	296	(14)	(5%)
HFC-23	11,700	12,000	300	3%
HFC-32	650	550	(100)	(15%)
HFC-125	2,800	3,400	600	21%
HFC-134a	1,300	1,300	NC	NC
HFC-143a	3,800	4,300	500	13%
HFC-152a	140	120	(20)	(14%)
HFC-227ea	2,900	3,500	600	21%
HFC-236fa	6,300	9,400	3,100	49%
HFC-4310mee	1,300	1,500	200	15%
CF ₄	6,500	5,700	(800)	(12%)
C ₂ F ₆	9,200	11,900	2,700	29%
C ₄ F ₁₀	7,000	8,600	1,600	23%
C ₆ F ₁₄	7,400	9,000	1,600	22%
SF ₆	23,900	22,200	(1,700)	(7%)

Source: (IPCC 2001, 1996)

NC (No Change)

* The methane GWP includes the direct effects and those indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO₂ is not included.